

ABSTRACT OF THE DISCLOSURE

A tool for forming a high strength reinforcing bar coupling driving self-locking wedge sleeves over each end of a contractible jaw assembly bridging the abutting ends of the bar to be joined. The sleeves are seated in collars engaged by the distal ends of arms driven for closure by a piston-cylinder power unit and a cam on at least one arm. In one form the cam on one arm is engaged by a roller connected by a tension link to the other arm. In another form cams are provided on each arm driven by rollers fixed with respect to each other. The collars include self-releasing collets seating the sleeves. The tool has other uses such as bar shearing or forming.

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